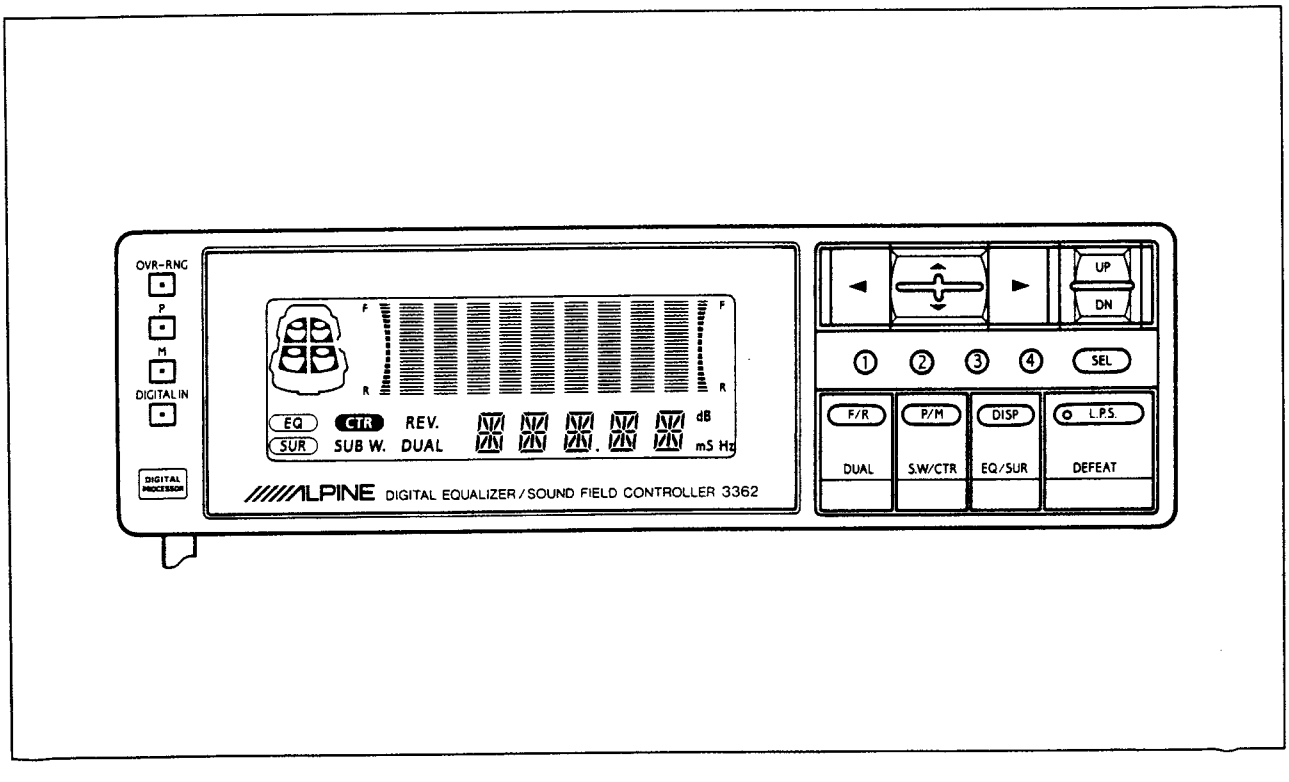
ALPINE®

OWNER'S MANUAL/BEDIENUNGSANLEITUNG/ MANUEL DU PROPRIETAIRE/MANUALE DEL PROPRIETARIO/ MANUAL DEL PROPIETARIO/BRUKSANVISNING

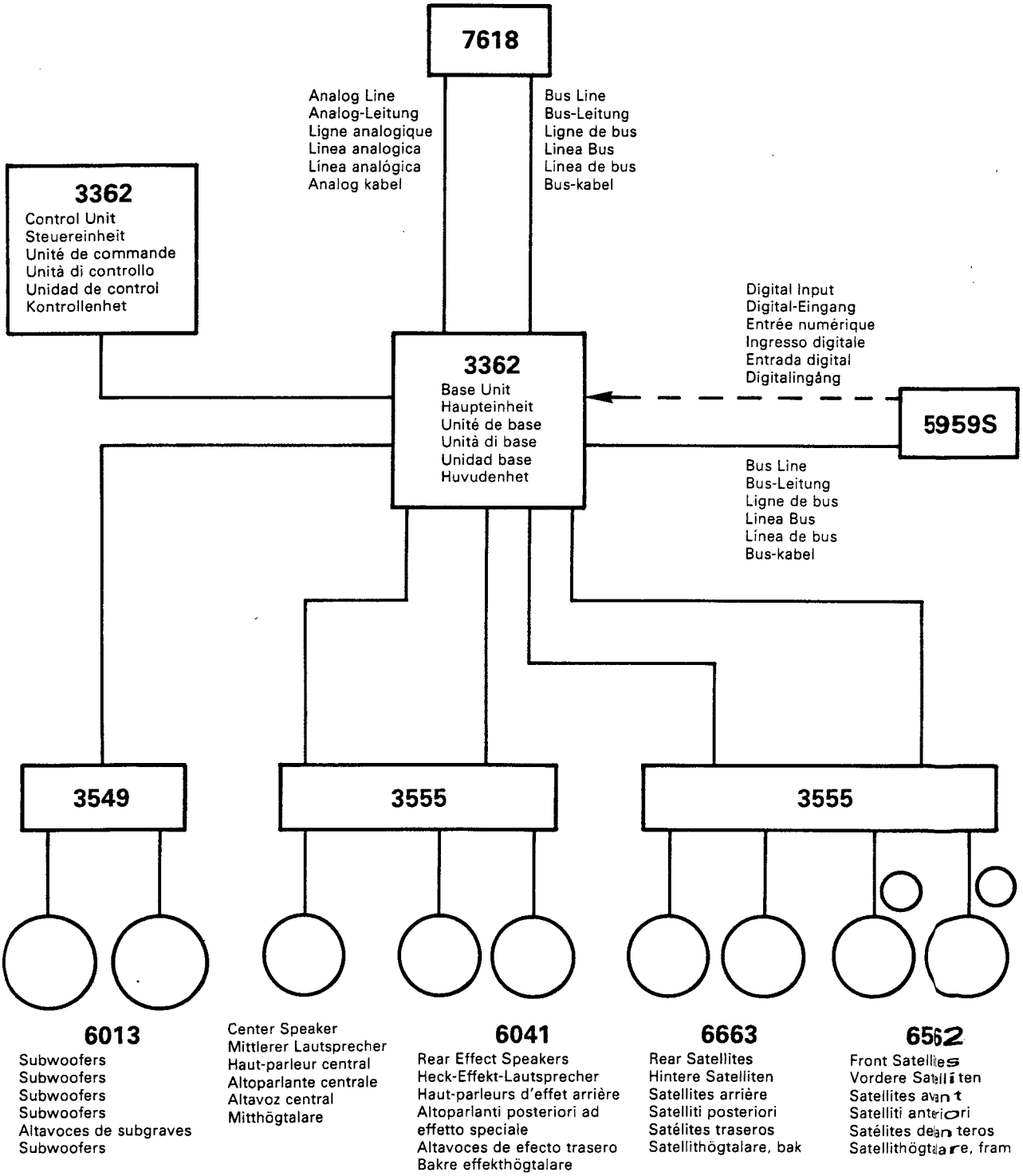
3362

Digital Equalizer/Sound Field Controller



SYSTEM CHARTS/SYSTEMAUFBAU/DIAGRAMMES DU SYSTEME/DISPOSIZIONI DEL SISTEMA/DIAGRAMAS DEL SISTEMA/SYSTEM-ÖVERSIKT

SYSTEM-1/SYSTEME-1/SISTEMA-1:



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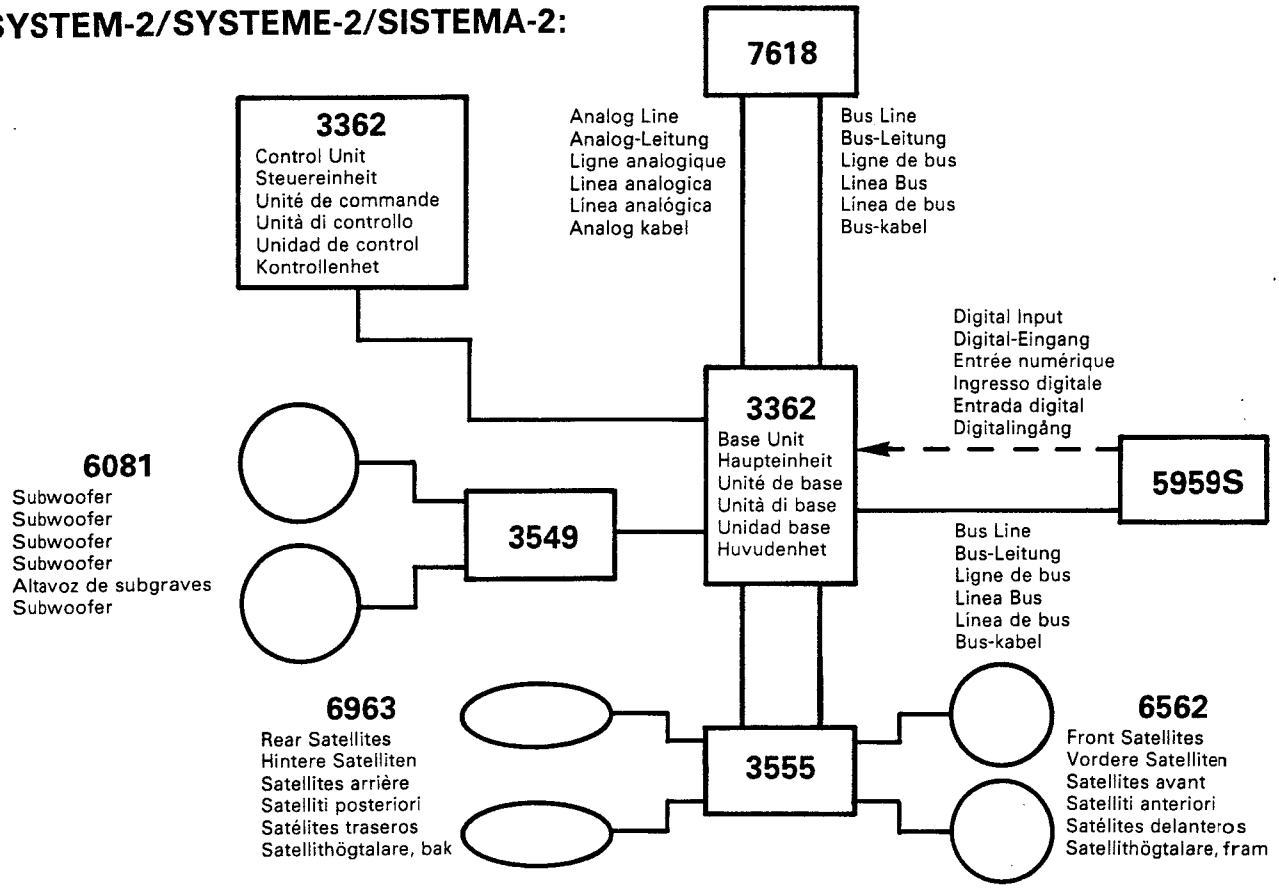
SYSTEM-2/SYSTEME-2/SISTEMA-2:



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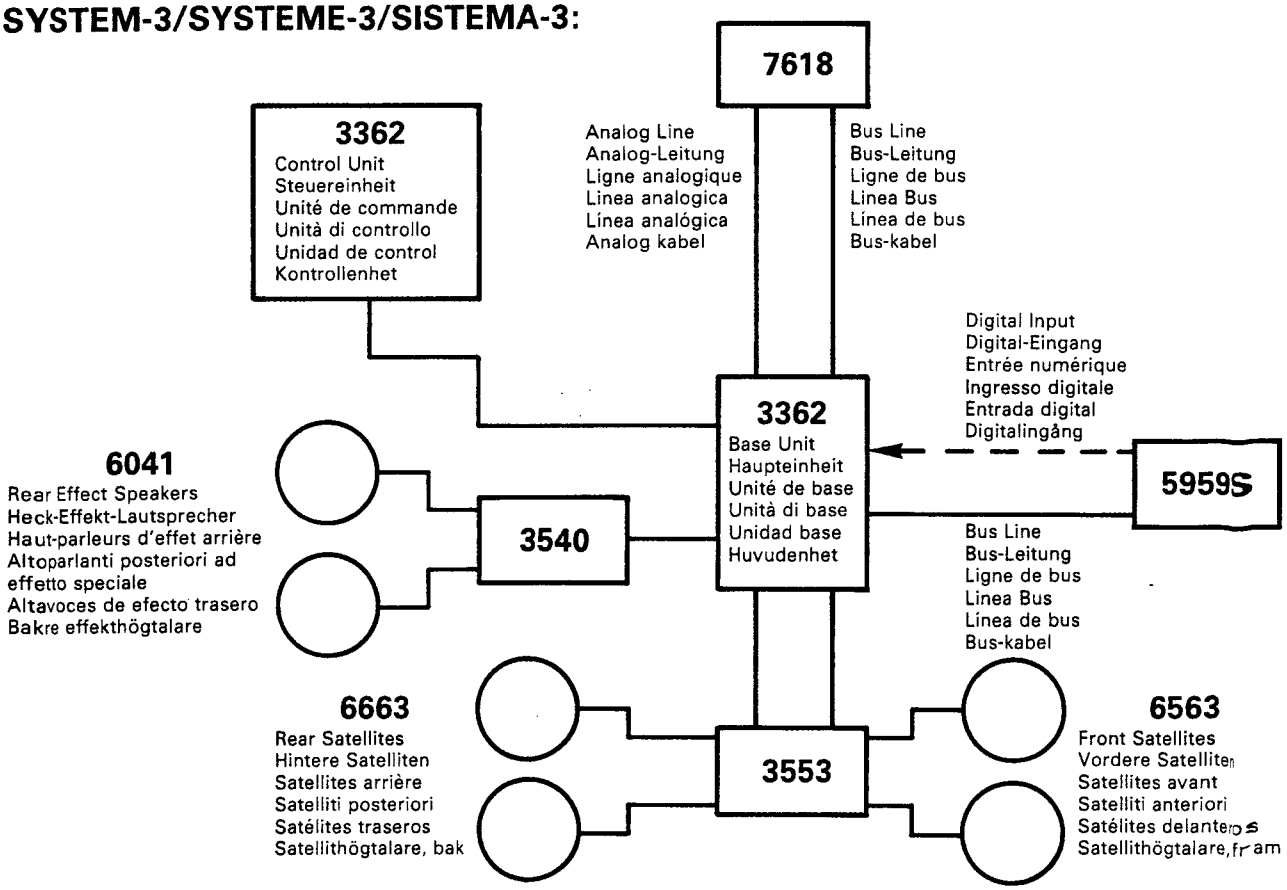

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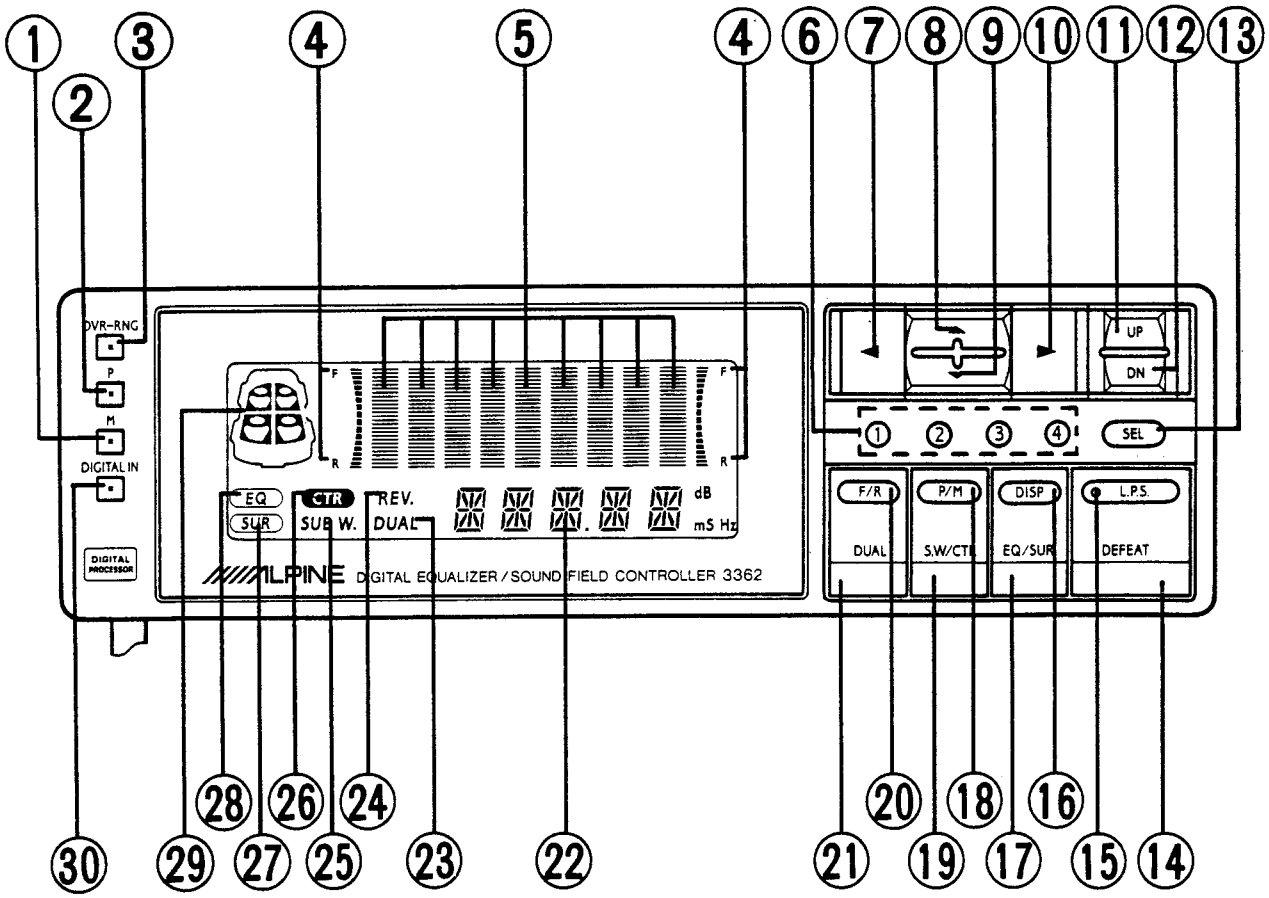
Control Unit/Steuerungsgerät/Unité de commande/Unità di controllo/Unidad de control/Kontrolldel



Base Unit/Basisgerät/Unité de base/Unità principale/Unidad base/Basenhet

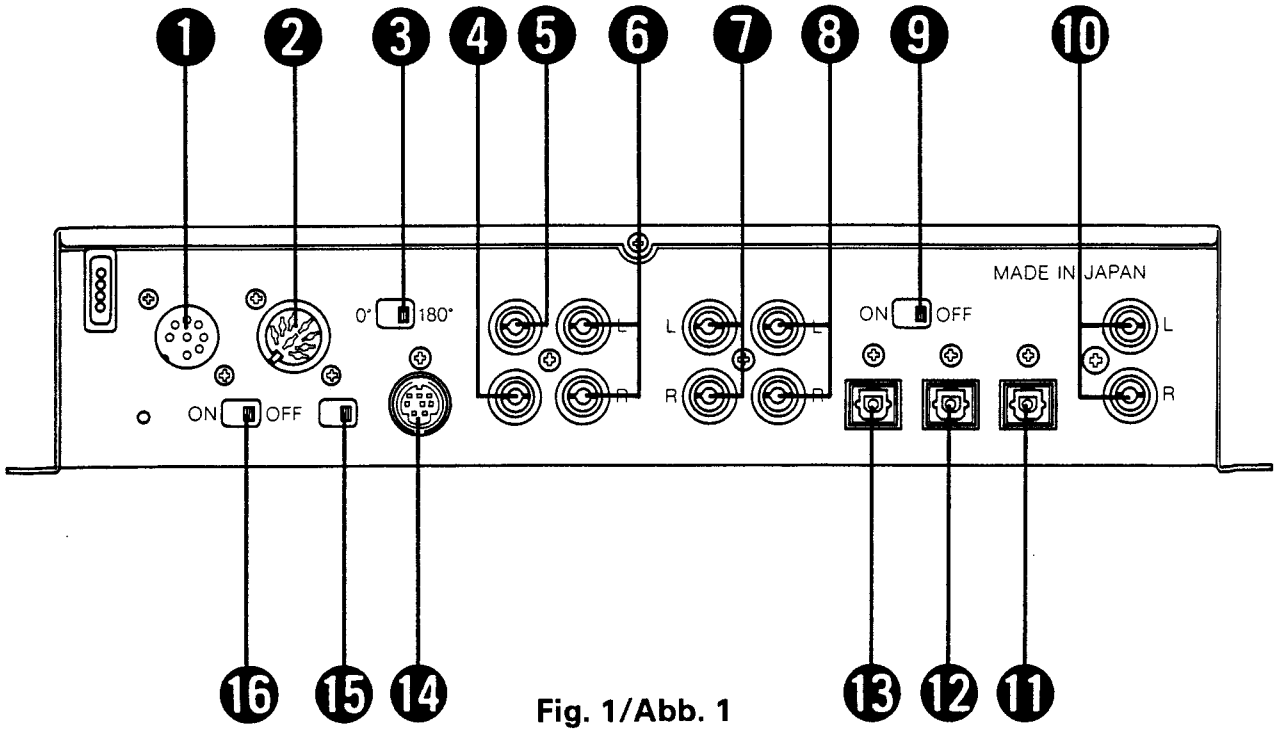


Fig. 1/Abb. 1

INTRODUCTION

At Alpine, Sonic Excellence is a goal we consider most important. Your purchase of this component tells us you feel the same. We take great pride in the long tradition of excellence in sound quality that the Alpine name represents. Now, as part of that tradition, we welcome you to the great number of discerning audiophiles who own Alpine products. This manual has been prepared to help you maximize your enjoyment of the outstanding performance and features of your new Alpine 3362 Sound Field Controller.

This component features the reliability and uncompromising engineering that are benchmarks of all Alpine products. 18 bands of frequency adjustment allow you to precisely tailor the response of your audio system to compensate for the acoustic environment of your car and, more importantly, customize the sound to your individual taste.

To realize the exceptional performance capabilities of this product, it is necessary that all signal sources, amplifiers, speakers, and interconnection devices are of the highest sonic quality. We recommend using Alpine Head Units, Speaker Systems, High Quality Interconnection/Speaker Cable, and Accessories.

Please study this manual carefully and become acquainted with all the features and capabilities of your new Alpine 3362. Should you have any questions, please contact your authorized Alpine dealer.

FEATURES

- **DIGITAL EQUALIZER/SOUND FIELD CONTROLLER**
  A very flexible and precise DSP creates varied sound-fields as well as digitally adjustable equalization. Outputs include 2 Main speakers, 2 Main + Effect speakers, Subwoofer speaker and Center speaker.
- **DSP SURROUND**
  This Digital Signal Processor creates 4 different listening environments making your car a Live Room, Stadium, Church or Hall.
- **3-MODE OPTICAL DIGITAL INPUTS**
  Optical transmission of the Audio signal eliminates the influences of electrical noise or Radio Frequency Interference.
- **L.P.S. (LISTENING POSITION SELECT)**
  This feature gives the user the ability to adjust the time delay and level of the 4 main speakers to provide the ideal sound stage for each listener in the car. The staging can be optimized for the front passenger, driver, front passenger and driver, or front and rear passengers and driver.
- **DISP(lay) SELECT**
  View the audio information in the display in 5 different ways. Use this switch to select the different views.
- **DUAL EQUALIZER MODE**
  Two Equalizer modes are possible with the 3362. A dual, 9-band equalizer with the Front and Rear channels independently adjustable is selected in the DUAL mode. This mode features 18 different center frequencies for the equalizer bands (9 Front/9 Rear). In the normal equalizer mode, 9-bands adjust all outputs together.
- **SUBWOOFER OUTPUT**
  The 3362's subwoofer output is activated when the internal dividing network is turned on. The subwoofer output is low-pass, also crossed over at 80 Hz. The low pass outputs have a slope 18 dB per octave.
- **SUBWOOFER LEVEL CONTROL**
  The Subwoofer level can be adjusted to compensate for the sub-bass content of different source material or to overcome ambient noise levels while driving.
- **FOUR EQUALIZATION PRESET CAPABILITY**
  4 different equalization settings can be stored in memory. The 4 preset buttons are used to recall these settings with a touch of a button in the "P" mode.
- **FOUR FACTORY EQUALIZATION PRESETS**
  4 factory presets represent equalization curves for various types of audio sources.
- **REMOTE POWER ON/OFF**
  With this feature, the processor turns on and off automatically with the head unit.
- **BACKLIGHTING GREEN OR AMBER**
- **CENTER SPEAKER OUTPUT**
- **DC/DC SWITCHING POWER SUPPLY**
- **SEPARATE FRONT, REAR, EFFECT, SUBWOOFER, CENTER RCA OUTPUT**

SWITCHES AND TERMINALS

Refer to Fig. 1 on page 5.

Control Unit

① Manufacturer's Memory Indicator
② Programmable Memory Indicator
③ OVeR-RaNGe Indicator
④ Front/Rear Indicators
⑤ Equalizer/Level Indicators
⑥ Preset Buttons/Indicators
⑦ Shift Down/Reverberation Gain Button
⑧ Level Up Button
⑨ Level Down Button
⑩ Shift Up/Reverberation Time Button
⑪ Volume UP Button
⑫ Volume DowN Button
⑬ Mode SELect Button
⑭ DEFEAT Button
⑮ Listening Position Select Button/Indicator
⑯ DISPlay Select Switch
⑰ EQualizer/SURround Button
⑱ Programmable/Manufacturer's Memory Button
⑲ SubWoofer/CenTeR Speaker Output Button
⑳ Front/Rear Select Button
㉑ DUAL Equalizer Mode Switch
㉒ Digital Display
㉓ DUAL Indicator
㉔ REVerberation Indicator
㉕ SUBWoofer Indicator
㉖ CenTeR Indicator
㉗ SURround Indicator
㉘ EQualizer Indicator
㉙ Listening Position Indicator
㉚ DIGITAL INput Indicator

Base Unit

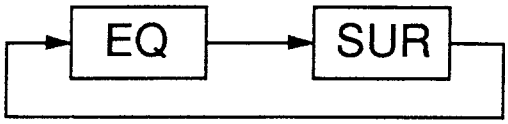
❶ Data Bus Connector (TO HEAD UNIT)
❷ Data Bus Connector (TO CHANGER)
❸ Subwoofer Phase Switch
❹ Subwoofer Output Connector
❺ Center Speaker Output Connector
❻ Rear Effect Output Connectors
❼ Rear RCA Output Connectors
❽ Front RCA Output Connectors
❾ Rear Mix Switch
❿ Analog Input RCA Connectors
⓫ CD Shuttle Digital Input Connector
⓬ Master Digital Input Connector
⓭ Auxiliary Digital Input Connector
⓮ Control Unit DIN Connector
⓯ Pre-amp Control Switch
⓰ Auxiliary Digital Input Enable Switch

OPERATION

● BASIC OPERATION

Switching Equalizer

Press the EQ/SUR button ⑰. With each press, the mode changes from equalizer to surround or vice versa. The appropriate indicator EQ ㉘ or SUR ㉗ will display the function.

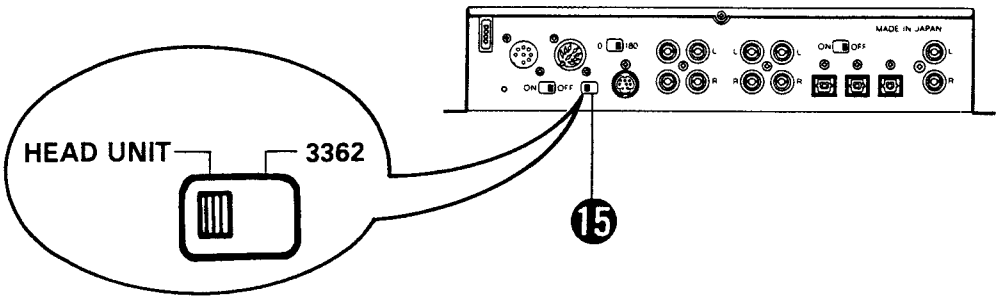


Adjusting the Volume

1. Press the UP ⑪ or DN ⑫ button, and the display will flash (for 5 seconds).
2. While the display is still flashing, press the UP ⑪ or DN ⑫ button again. With each press, the level will be increased or decreased in single steps. By pressing and holding the button, the level will be increased or decreased continuously.

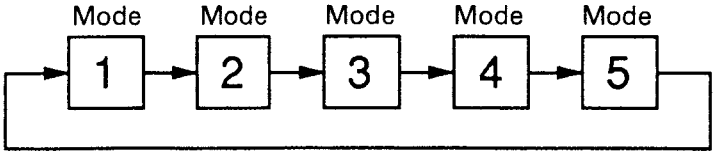
NOTE:

To control the volume from the Head Unit (7618 or 7619 only), the Pre-amp Control switch ⓯ must be set to "HEAD UNIT".



Changing the Display

There are 5 different display modes for showing the varying levels of the audio spectrum. Press the DISP switch ⑯ to advance to the next display mode. The mode number will be shown in the display for 2 seconds before returning the spectrum display.



OPERATION

Dual Equalizer Mode Switch

To enter the Dual Equalizer mode, press the DUAL switch ㉑. The DUAL indicator ㉓ will be displayed. In this mode the Front and Rear channels use different center frequencies for their bands as follows:

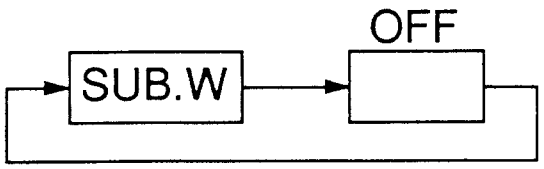
FRONT = 42, 88, 185, 380, 800, 1.7k, 3.4k, 7.2k, 15k Hz

REAR = 29, 61, 125, 265, 560, 1.2k, 2.4k, 5.0k, 11k Hz

Pressing the DUAL switch ㉑ again turns off the DUAL indicator ㉓ cancels the DUAL EQ mode. In this equalization mode, the 9-bands are the same as the Front channel in the DUAL mode. The same band is applied to both the Front and Rear channels.

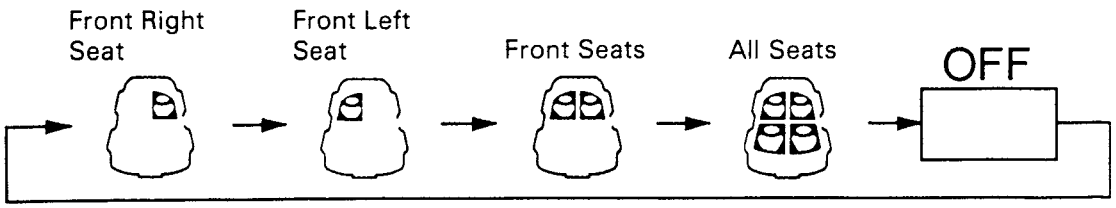
Subwoofer Output

1. To activate the Subwoofer Output, press and hold the S.W button ⑲. The SUB W. indicator ㉕ will light up.
2. To adjust the Subwoofer level, press the SELect button ⑬ until the large "SUB.W" appears in the digital display ㉒.
3. Press the Level Up ⑧ or Down ⑨ button to adjust the Subwoofer Output to your desired level.



Listening Position Select Button

Press the L.P.S. button ⑮. With each press, a new listening position is selected. The Listening Position Indicator ㉙ will show the seat position. When the L.P.S. mode is ON, the L.P.S. indicator ⑮ above the button will light up.



NOTE:

While using the L.P.S. feature, the surround mode is disabled. To activate the surround mode, press the L.P.S. button ⑮ to turn the L.P.S. mode off.

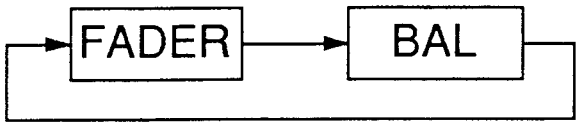
OPERATION

Subwoofer/Fader/Balance Adjustment

1. To select the desired function, press the SELect button ⑬ until the function appears in the digital display ㉒. The main display will flash if there had been a previous adjustment made. After 5 seconds, the mode will return to the Equalizer display. See diagram below for function sequence.
2. To change the mode, press the SEL button ⑬ again. Every time you press, the mode will be changed.

● **When Subwoofer is ON:**

● **When Subwoofer is OFF:**



3. Press the Up/Down buttons ⑦, ⑩ or Level buttons ⑧, ⑨ during flashing to adjust the level you desire.

Adjusting the Input Level

The OVR-RNG indicator ③ will illuminate whenever the input level is excessive. This indicates possible distortion and should be corrected for the best sounding output.

To adjust the input level for optimum level, first press the DEFEAT button ⑭ to activate the DEFEAT mode. Reduce the volume on the head until the OVR-RNG indicator ③ no longer comes on.

NOTE:

If the OVR-RNG indicator ③ should come on when using a different source, repeat the above procedure for the new source.

OPERATION

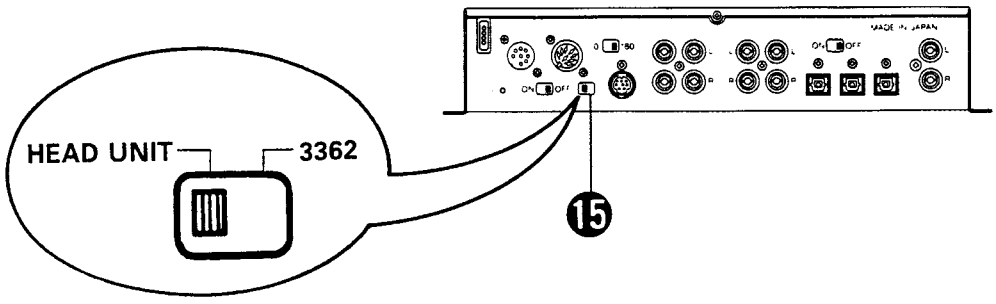
Backlighting Control

You can select the favorite back lighting of the display, green or amber.

Press and hold the DISPlay switch ⑯ for at least 2 seconds to select a new backlighting color. Choose from green or amber.

NOTE:

To control the Volume, Balance and Fader from the head unit (must be a unit with External Processor Control capability), the Pre-amp Control switch ⑮ must be set to HEAD UNIT.



● SURROUND OPERATION

Manufacturer's Surround Presets

For your convenience, we have provided 4 typical surrounding settings for different types of source material. Each setting mathematically duplicates the acoustics of various listening environments to transport the listener from the car to the various settings. These settings have been preset into memory at the factory as follows:

1. **Hall**
   This setting duplicates the acoustics of a large concert Hall. The acoustics of this hall are such that the full sound stage can be enjoyed from every corner of the listening environment.
2. **Church**
   This setting duplicates a very large, stone-walled, high ceilinged church. The delays are longer than in the "Hall" above and much more lively.
3. **Stadium**
   This "Stadium" setting provides a very unique blend of ambience and space. Because of the large area of this stadium, the echoes tend to linger, trailing off gradually, giving the impression of being outside in a very large open space.
4. **Live**
   The echoing effects of the "Live" surround preset duplicates the sonic experience that you might encounter in a dome shaped theater.

OPERATION

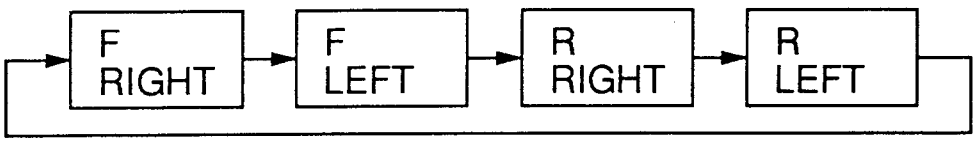
To Play Back in the Live Surround Mode (Example)

1. Check that the L.P.S. mode is OFF. Press the L.P.S. button ⑮ until the L.P.S. indicator ⑮ is off.
2. Press the EQ/SUR button ⑰ to activate the surround mode, and the SUR indicator ㉗ will light up.
3. Press the P/M button ⑱ to activate the manufacturer's memory mode, and the M indicator ① will light up.
4. Press the Preset button ⑥ number 4.
5. The Live surround mode is now activated.

Adjusting the Reverberation

1. Press the EQ/SUR button ⑰ to activate the surround mode, and the SUR indicator ㉗ will light up.
2. Press the Up (▶) ⑩ or Down (◀) ⑦ button. The previously selected mode will be activated and displayed for 5 seconds. Select the Reverb time by pressing the Up (▶) button ⑩ and Reverb level by pressing the Down (◀) button ⑦.
   The selected channel (F)ront or (R)ear is displayed flashing in the Front and Rear indicators ④ while the LEFT or RIGHT speaker is indicated in the digital display ㉒ area.

   Variable Range (in 9 steps)
   Reverberation time (0 ms to 5600 ms)
   Reverberation gain (0 dB to −30 dB)



3. Press the Level button ⑧ or ⑨ while the Front or Rear indicators are flashing to make adjustments for desired level and time.

OPERATION

Setting the User-Programmable Surround Presets

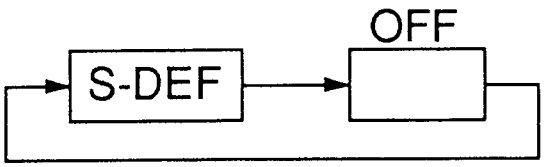
1. Press the EQ/SUR button ⑰ to activate the surround mode. The SUR indicator ㉗ will be activated.
2. Make the desired adjustment using the Up (▶) ⑩, Down (◀) ⑦ button and the Level button (⑧ or ⑨).
3. Before the Front/Rear indicators ④ stop flashing, press and hold any of the Preset buttons ⑥ for at least 2 seconds. The information in the digital display ㉒ will flash for 5 seconds.
   P-HAL (Hall)
   P-CHR (Church)
   P-STD (Stadium)
   P-LIV (Live)
   For the surround, refer to the "Manufacturer's Surround Presets" on page 12.
4. Press the Preset button ⑥ in which you desire to store the memory again. Unless you press the Preset button ⑥ within 5 seconds, the mode will be returned to the previous mode.
5. If you desire to store more memory, repeat the steps above.

Selecting the User-Programmable Surround Presets

1. Press the EQ/SUR button ⑰ to activate the surround mode, and the SUR indicator ㉗ will light up.
2. Press the P/M button ⑱ to activate the programmable memory mode, and the P indicator ② will light up.
3. Press one of the Preset buttons ⑥.
4. Your previously programmed settings will be applied to surround information for playback.

Switching the Surround Defeat

1. Press the EQ/SUR button ⑰ to activate the surround mode, and the SUR indicator ㉗ will light up.
2. Press the DEFEAT button ⑭. Every time you press, the surround defeat ON/OFF can be switched.



OPERATION

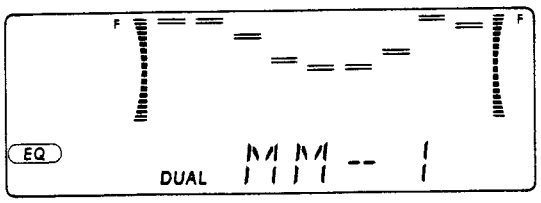
● EQUALIZER OPERATION

Manufacturer's Equalization Presets

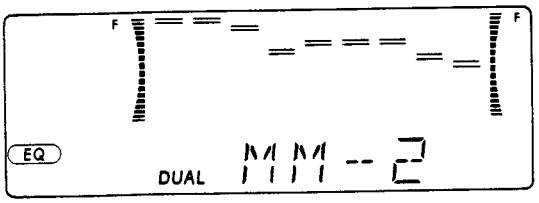
For your convenience, we have provided 4 typical equalization settings for different types of source material. These settings have been preset into memory at the factory as follows:

Front Side

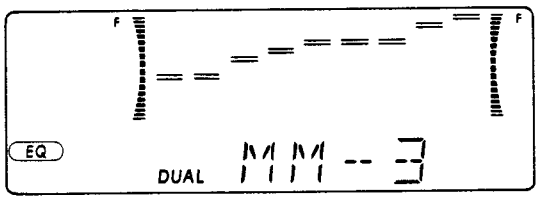
1. Jazz



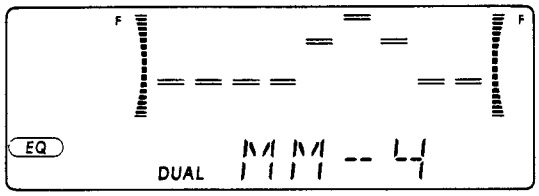
2. Rock



3. Pops



4. Vocal



Selecting the Manufacture's Equalization Presets

1. Select and play back your desired music category, vocal for example.
2. Make sure the M indicator ① is lit. If not, press and release the P/M button ⑱ until the M indicator ① illuminates.
3. Press the preset number that corresponds to the type of source material you have chosen. In this case, press preset number 4.
4. Now the vocal preset is activated and the equalization characteristics that best suit vocal are shown in the display.

NOTES:

1. Four types of manufacturer's memory equalization characteristics will be provided for front and rear.
2. You can switch the F/R button ⑳ only in the dual mode.

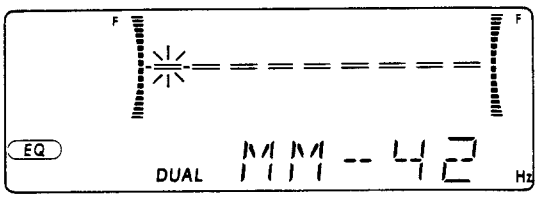
OPERATION

Adjusting the Equalizer

1. Press the EQ/SUR button ⑰ to activate the equalizer mode, and the EQ indicator ㉘ will light up.
2. Press the Up (▶) ⑩ or Down (◀) ⑦ button. Initial equalizer curve shows flat.

[Example]

Press the Up ⑩ or Down ⑦ button until the cursor flashes at 42 Hz. The cursor will flash for 5 seconds.



3. Press the Level button ⑧ or ⑨ during flashing to adjust to desired level. Unless you press the Preset button ⑥ within 5 seconds, the mode will be returned to the previous mode.
4. To make further adjustments, repeat the steps above.

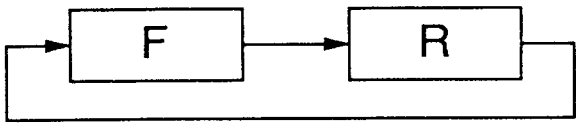
NOTE:

When adjusting the equalizer, the defeat mode should be OFF by pressing the DEFEAT button ⑭.

Dual Equalizer Mode Switch

● **For individual adjustment of front and rear channels**

1. Press the DUAL switch ㉑ which will activate the DUAL indicator ㉓ in the display.
2. Use the F/R button ⑳ to alternate between the Front and Rear channels. With each press, the EQ mode will change from Front to Rear as indicated in the F/R indicator ④.



3. Follow the steps 1 — 4 of "Adjusting the Equalizer" above to adjust each frequency band.

OPERATION

NOTE:
You can switch the F/R button ⑳ only in the dual mode.

Setting the User-Programmable Equalization Presets

1. Press the EQ/SUR button ⑰ to activate the equalizer mode, and the EQ indicator ㉘ will light up.
2. Modify the EQ settings to suit your listening preference using the Up (▶) ⑩, Down (◀) ⑦ button, and the Level button (⑧ or ⑨).
3. Press one of the Preset buttons ⑥ for more than 2 seconds. The display will flash for about 5 seconds, during which time memory can be stored.
   Preset 1: PM-1
   Preset 2: PM-2
   Preset 3: PM-3
   Preset 4: PM-4
4. Press the Preset button ⑥ in which you wish to store the EQ curve. You must press the Preset button ⑥ within 5 seconds after the display began to flash, otherwise the store mode will be deactivated.
5. If you desire to store more memory, repeat the steps above.

Selecting the User-Programmable Presets

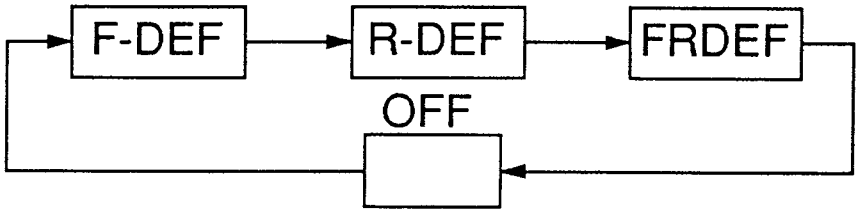
1. Press the EQ/SUR button ⑰ to activate the equalizer mode, and the EQ indicator ㉘ will light up.
2. Press the P/M button ⑱ to activate the programmable memory mode, and the P indicator ② will light up.
3. Press one of the Preset buttons ⑥.
4. The EQ curve stored in the selected Preset will be displayed and applied to the audio output for your enjoyment.

OPERATION

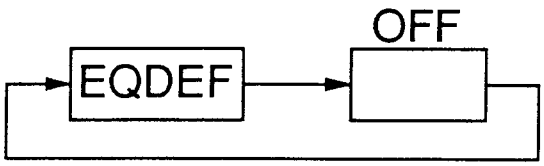
Switching the EQ Defeat

1. Press the EQ/SUR button ⑰ to activate the equalizer mode, and the EQ indicator ㉘ will light up.
2. Press the DEFEAT button ⑭. With each press the equalizer defeat mode will be selected. The mode selected will depend upon whether the DUAL mode is ON or OFF. See below for the different modes.

When the DUAL indicator ㉓ is ON:



When the DUAL indicator ㉓ is OFF:



When F-DEF lights up:
Front outputs are directly supplied to the line outputs without passing through the equalizer circuits.

When R-DEF lights up:
Rear outputs are directly supplied to the line outputs without passing through the equalizer circuits.

When RFDEF lights up:
All outputs are directly supplied to the line outputs without passing through the equalizer circuits.

When EQDEF lights up:
All outputs are directly supplied to the line outputs without passing through the equalizer circuits.

PRECAUTIONS

1. Improper wiring connections could cause damage to your vehicle's electrical system and/or the 3362. Carefully follow the wiring instructions in this manual.

2. Attaching the battery lead to the positive (+) terminal of the battery should be the last connection after all other connections are made.

3. Be sure that the 3362 is mounted in a way that will allow for free air circulation and head dissipation.

4. When changing fuses, be sure to replace the old fuse with one of the same amperage (5A). Use of improper fuses can lead to serious damage to components.

DIGITAL FIBER-OPTIC CABLE

1. When connecting or disconnecting the fiber-optic cable, please grab the connector part, not the cable.

2. Be sure to line-up the top and bottom of the connector part when connecting.

3. When routing the fiber-optic cable, do not make sharp bends (smaller than 1 inch in diameter). Otherwise, the cable may become damaged.

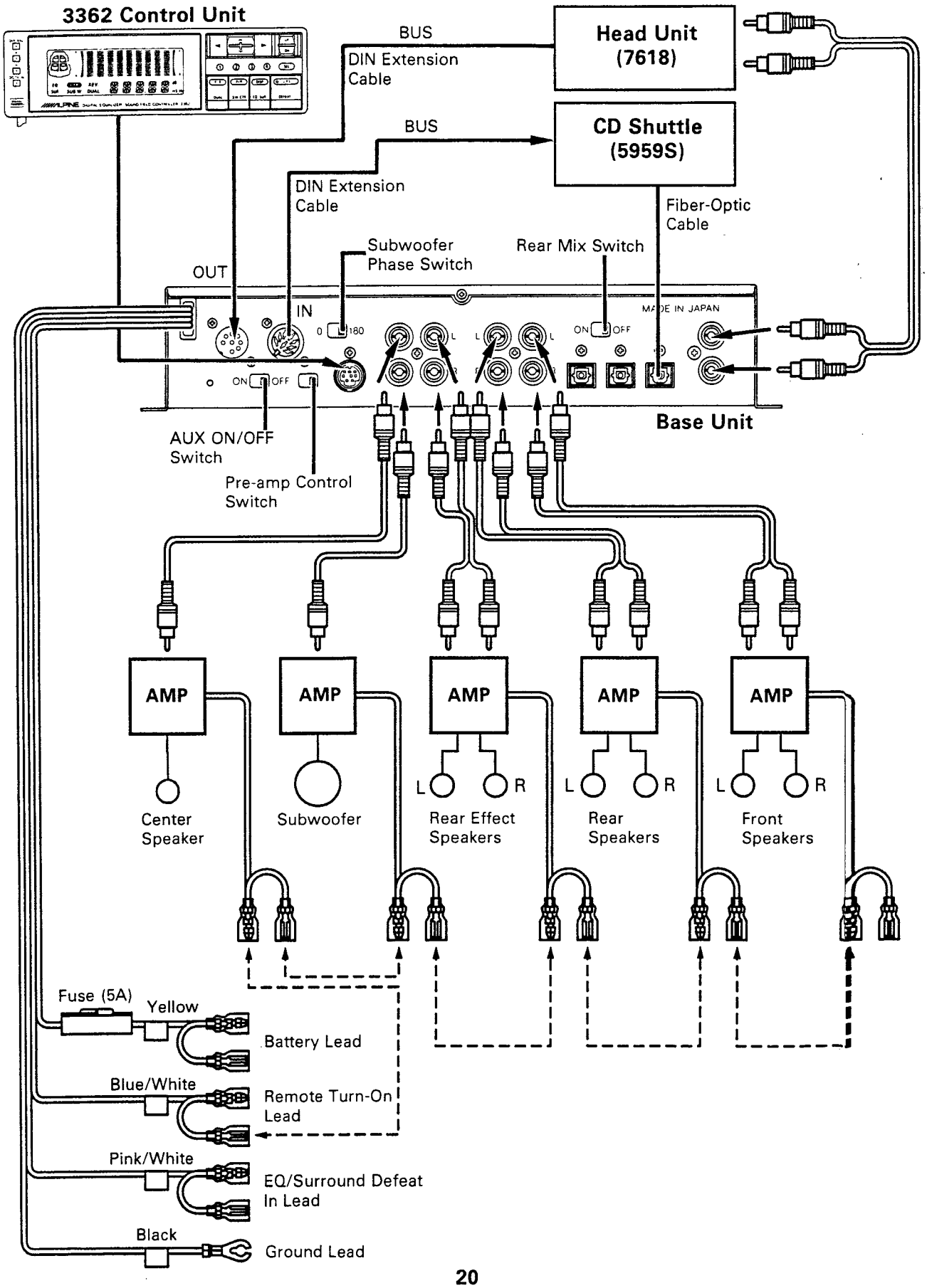
4. When installing the fiber-optic cable, always cover the cable with corrugated tubing to protect the cable.

5. Do not drop heavy objects on the cable.

6. Be sure to keep the terminal section of the fiber-optic cable clean. If dust or any other foreign material comes in contact with the terminal, clean by gently wiping with tissue paper, etc.

CONNECTIONS

Example: 3362 + 7618 + 5959S + 5 Amplifier System



CONNECTIONS

RCA Line Output Connectors
Connect to the Input Connectors of a Signal Processor or Power Amplifier.

RCA Line Input Connectors
Connect to the Output Connectors of the Head Unit.

Ground Lead (BLACK)
Connect this lead to a good chassis ground.

NOTE:
Secure the ground lead of the unit to bare metal on the car chassis using a sheet metal screw. Use an ohmmeter to check continuity from this point to the negative battery terminal.

Remote Turn-On Lead (BLUE/WHITE)
Connect this lead to the remote turn-on lead of your head unit. Applying (+)12V to this lead turns on the 3362.

EQ/Surround Defeat In Lead (PINK/WHITE)
Applying (+)12V to this lead defeats the Equalizer and Surround modes. When the 3362 is connected to an Alpine Head Unit with an Audio Interrupt Lead, a Cellular Phone equipped with Audio Interface output will also mute the audio output. Removing (+)12V from this lead deactivates the defeat modes.

Battery Lead (YELLOW)
Connect this lead to the positive (+) post of the vehicle's battery. Do not use existing wiring in the vehicle as a power source.

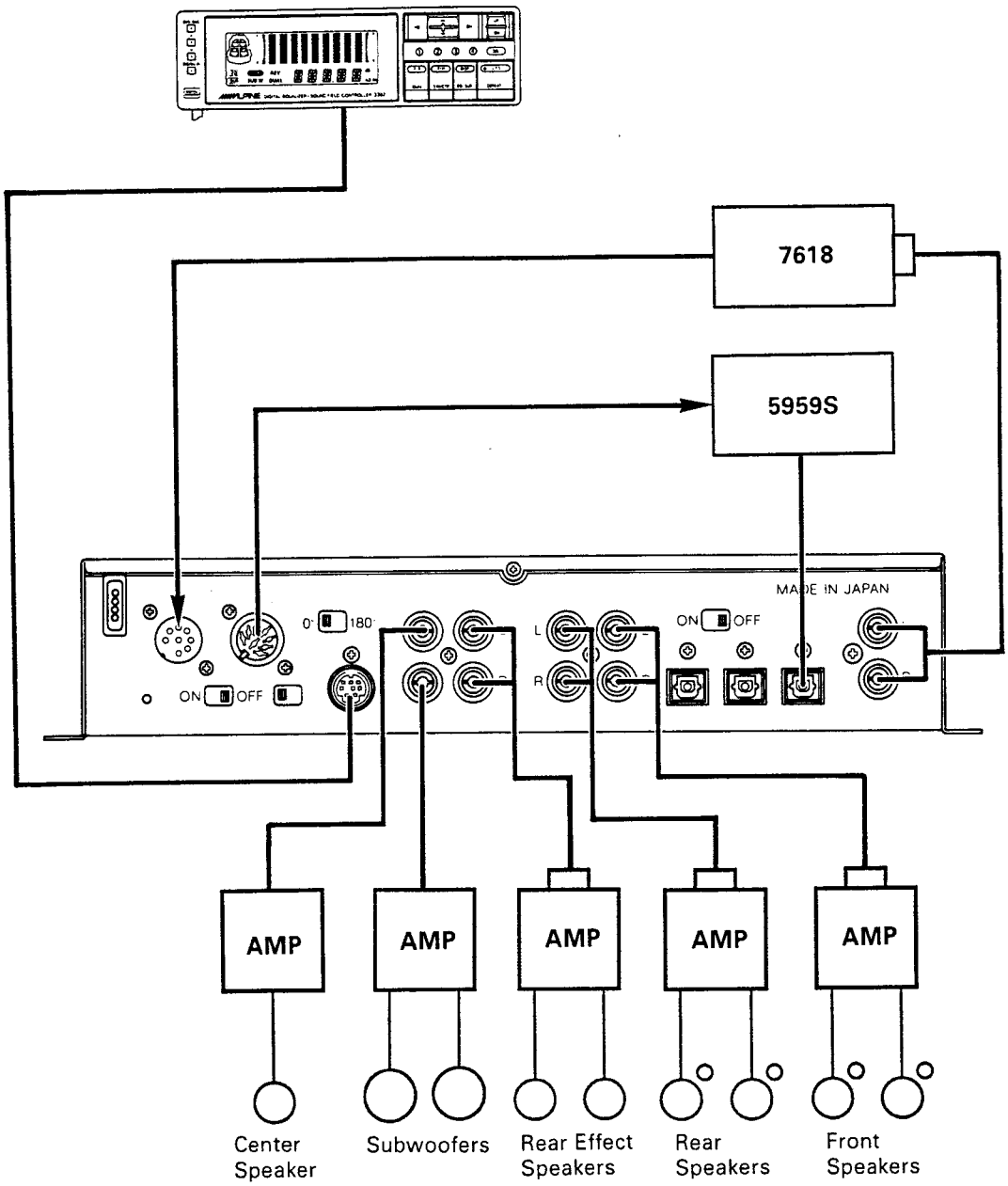
Pre-amp Control Switch
To adjust the volume from the 3362, set the switch to "3362". When adjusting the volume from the head unit, set the switch to "HEAD UNIT".

Rear Mix Switch
The switch is used for mixing the rear signal and rear effect signal. When the switch is set to ON, the mixed signals are output from the rear and rear effect output connectors.

Subwoofer Phase Switch
When the PHASE switch ❸ is set to the 180 degrees position, the phase of the subwoofer output is inverted.

CONNECTIONS

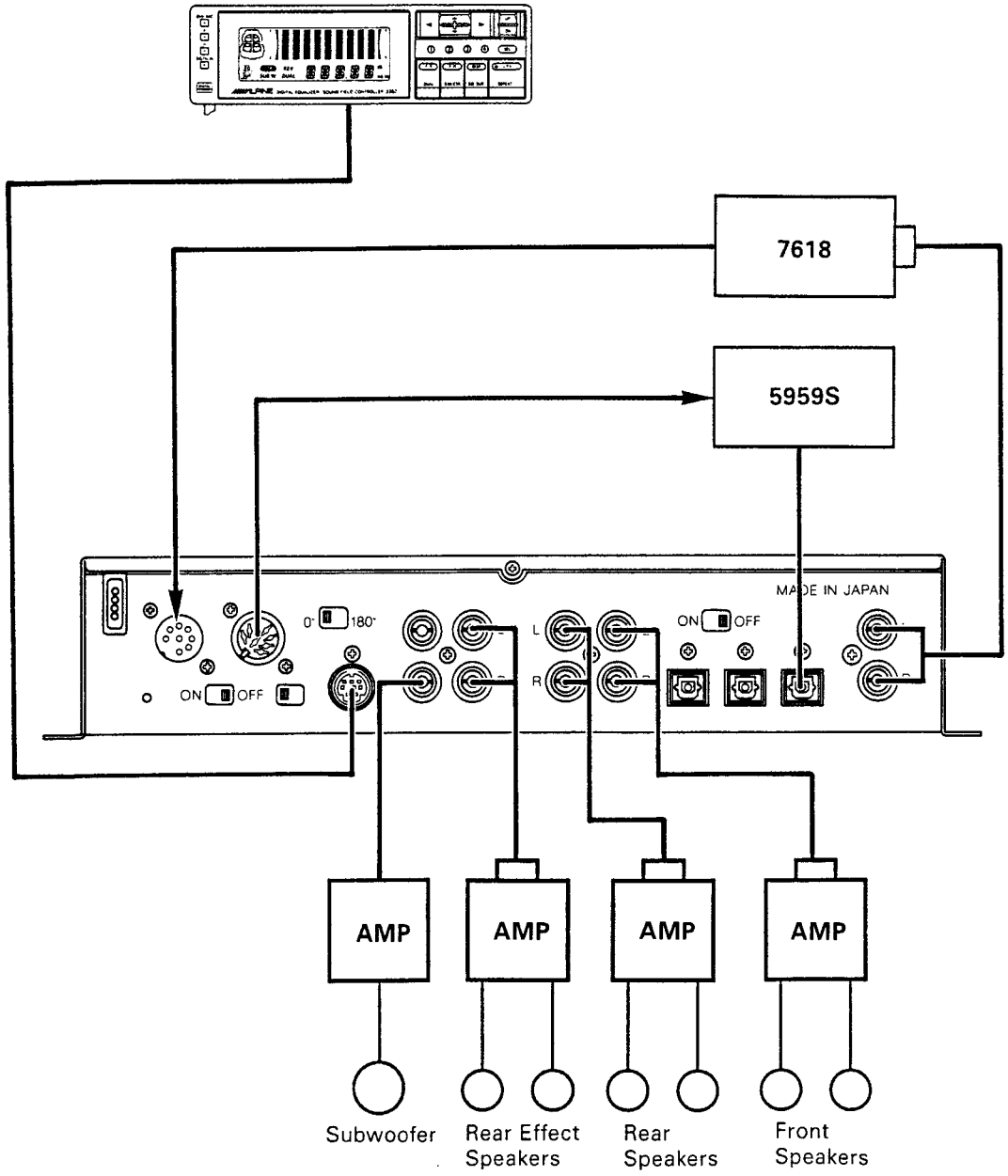
A. 3362 + 7618 + 5959S + 5 Amplifier System



Subwoofer Phase Switch	AUX ON/OFF Switch	Pre-amp Control Switch	Rear Mix Switch
0°	OFF	HEAD UNIT	OFF

CONNECTIONS

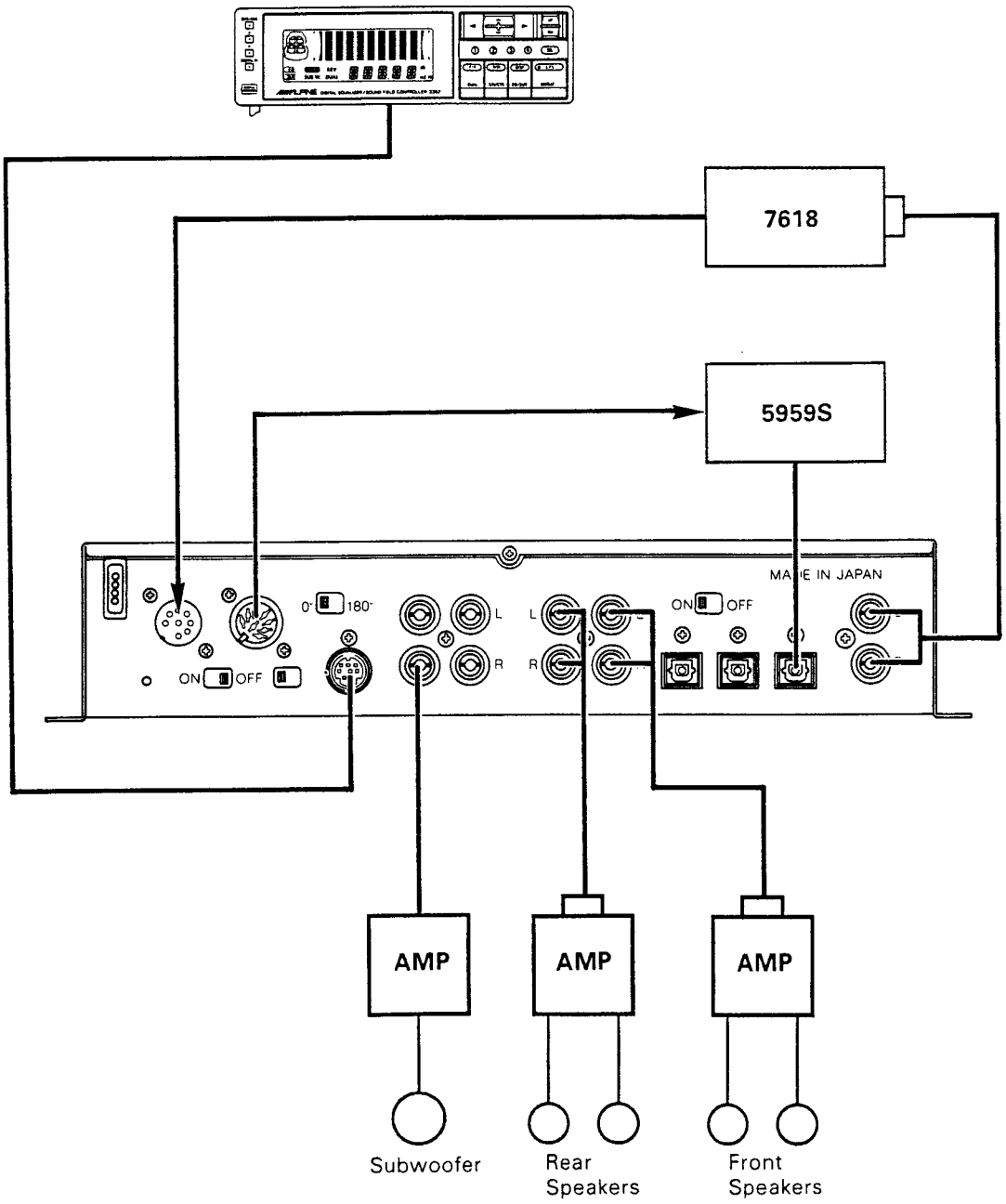
B. 3362 + 7618 + 5959S + 4 Amplifier System



Subwoofer Phase Switch	AUX ON/OFF Switch	Pre-amp Control Switch	Rear Mix Switch
0°	OFF	HEAD UNIT	OFF

CONNECTIONS

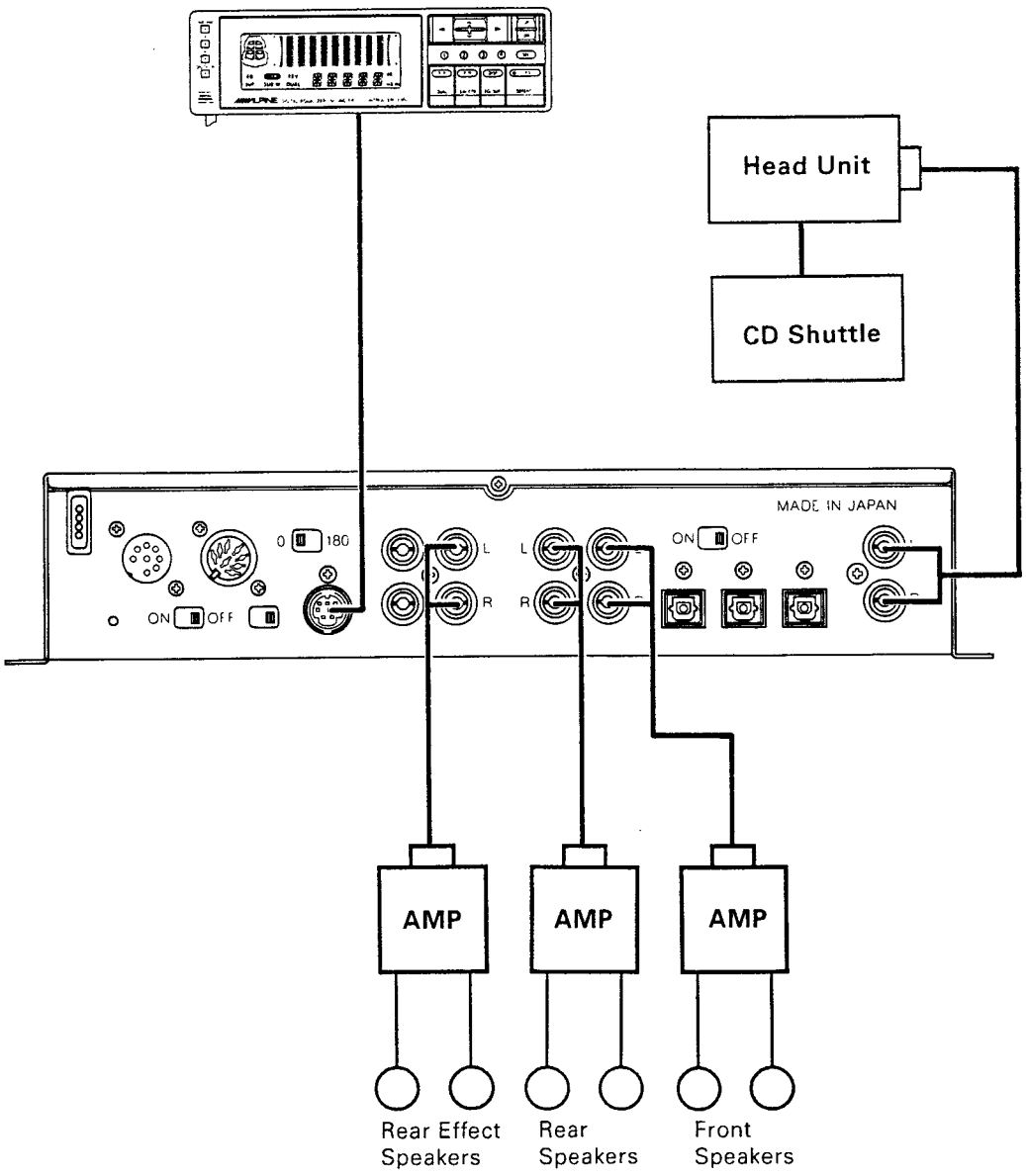
C. 3362 + 7618 + 5959S + 3 Amplifier System



Subwoofer Phase Switch	AUX ON/OFF Switch	Pre-amp Control Switch	Rear Mix Switch
0°	OFF	HEAD UNIT	ON

CONNECTIONS

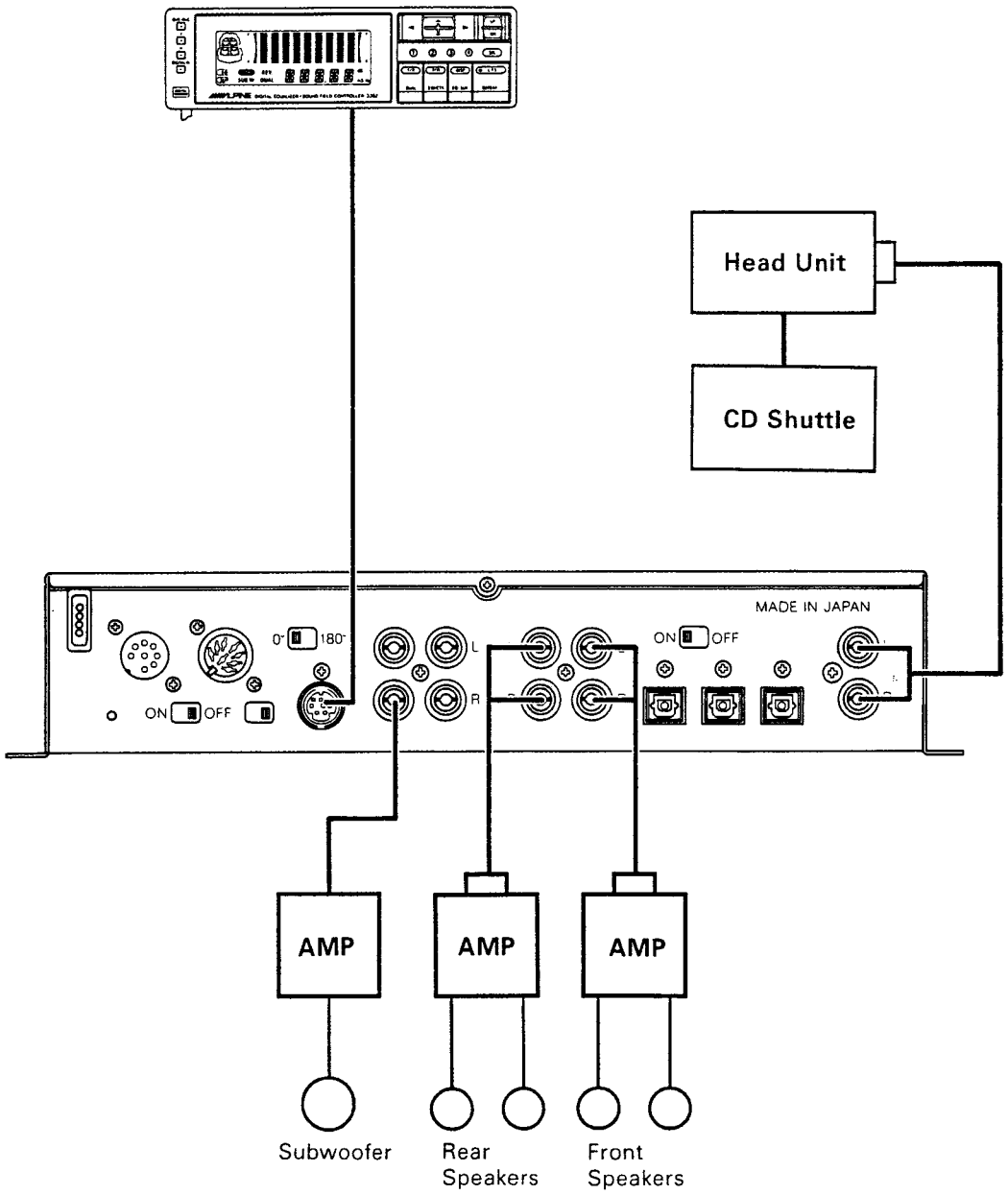
D. 3362 + Head Unit + CD Shuttle + 3 Amplifier System



Subwoofer Phase Switch	AUX ON/OFF Switch	Pre-amp Control Switch	Rear Mix Switch
0°	OFF	3362	OFF

CONNECTIONS

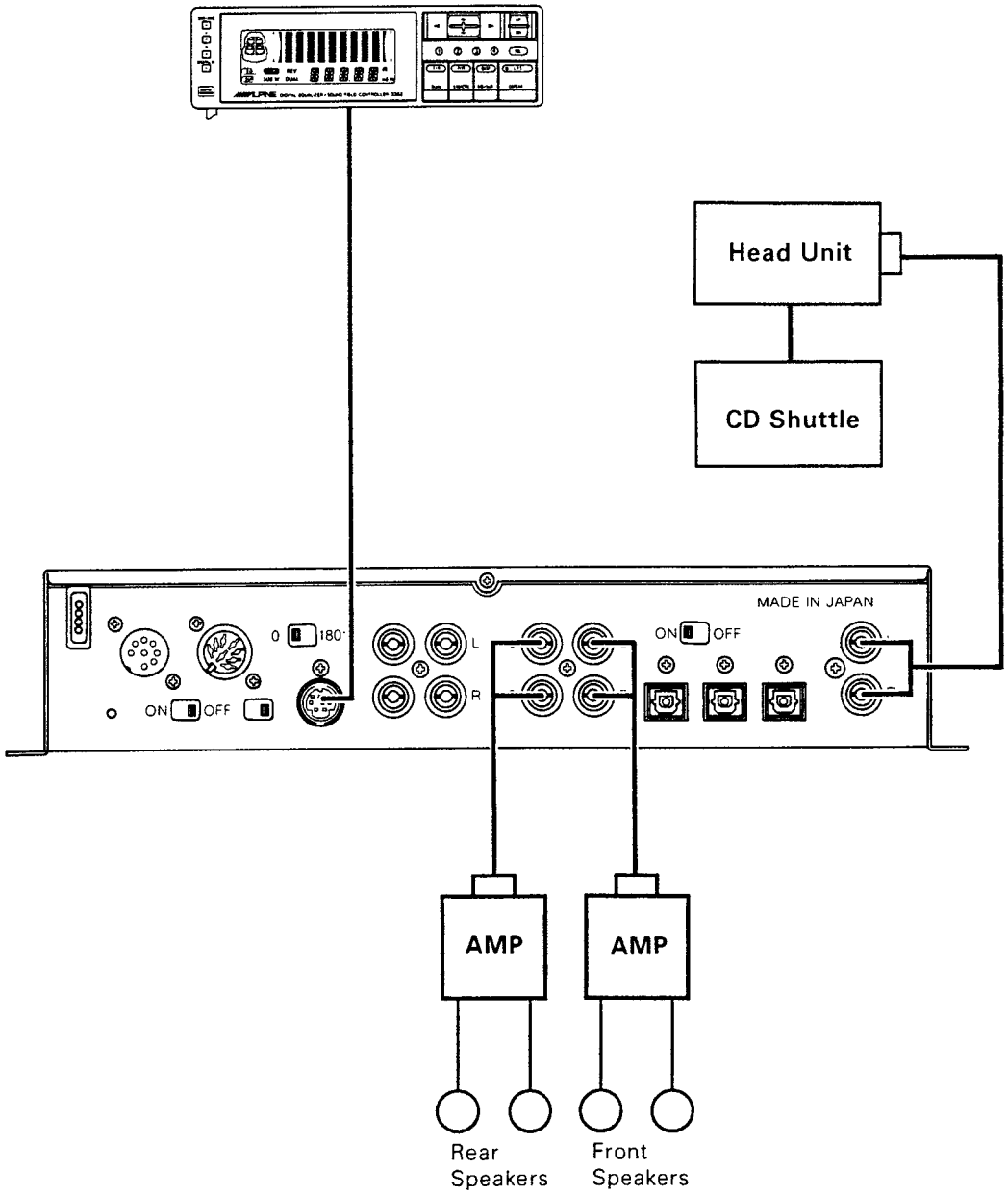
E. 3362 + Head Unit + CD Shuttle + 3 Amplifier System



Subwoofer Phase Switch	AUX ON/OFF Switch	Pre-amp Control Switch	Rear Mix Switch
0°	OFF	3362	ON

CONNECTIONS

F. 3362 + Head Unit + CD Shuttle + 2 Amplifier System



Subwoofer Phase Switch	AUX ON/OFF Switch	Pre-amp Control Switch	Rear Mix Switch
0°	OFF	3362	ON

INSTALLATION

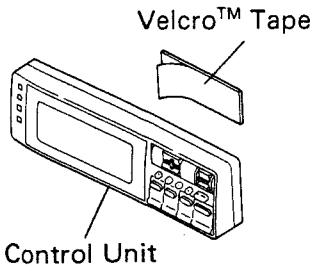


Fig. A

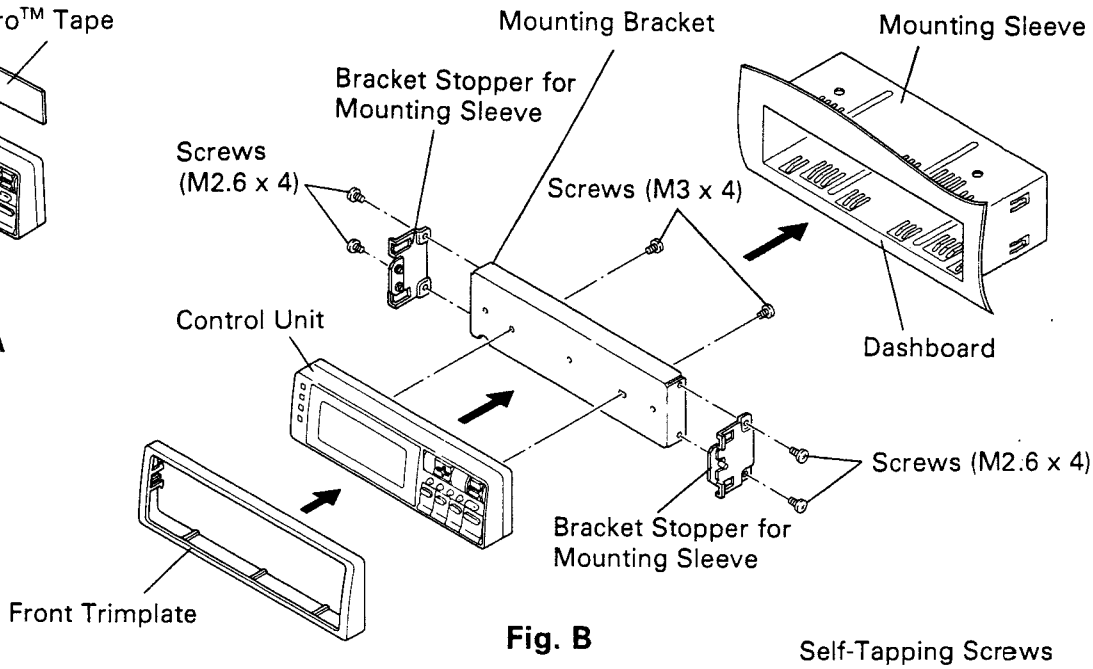


Fig. B

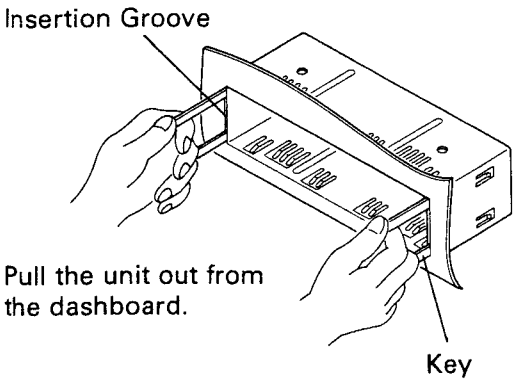


Fig. C

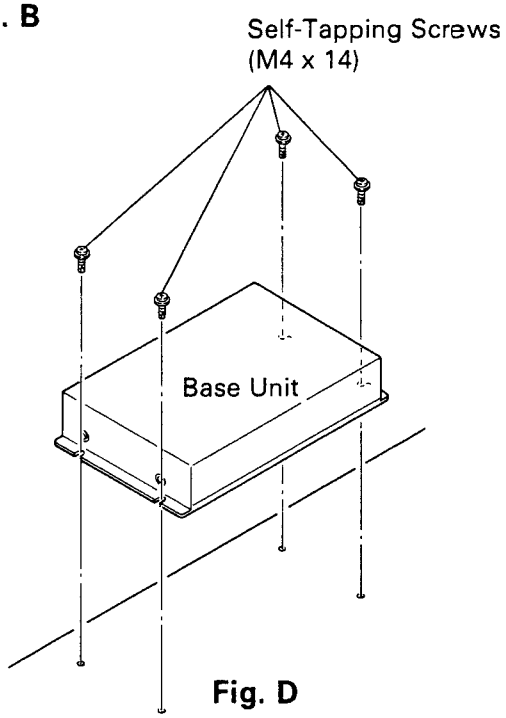


Fig. D

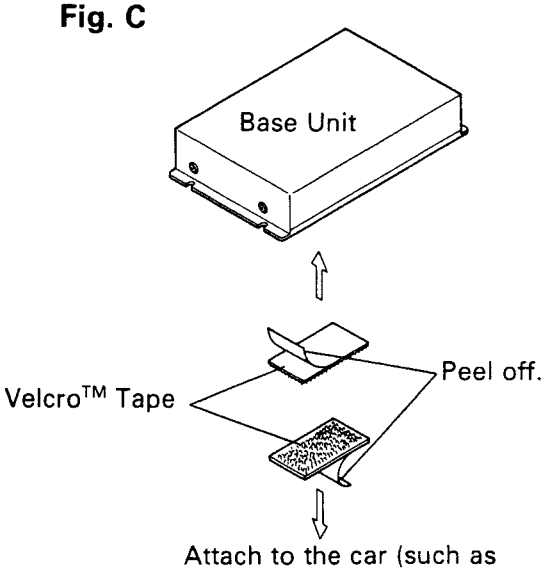


Fig. E

INSTALLATION

The 3362 is made up of two components: the Control Unit and the Base Unit.

CONTROL UNIT

As with all installations you should begin by determining the mounting locations for the components of the system.

The Control Unit can be custom mounted flush in the dashboard, center console, sun visor, or other flat surface in the vehicle. The compact size of the Control Unit allows it to be stored in the glove box or center console storage area.

● Velcro™ (Double-Sided Adhesive) Tape Mounting (Supplied) (Fig. A)

The Control Unit can be mounted to any flat spot using the Velcro™ tape. Choose a location which allows easy access to operate the Control Unit.

1. Remove the adhesive protective paper from one side of the Velcro tape.
2. Attach the exposed adhesive side to the rear side of the Control Unit, in a central location.
3. Select a secure and flat spot for mounting. Make sure the mounting location is clean, dry and free from contaminants.
4. Remove the protective paper from the other side of the Velcro tape.
5. Press the Control Unit to its mounting location.
6. Connect the DIN connector of the Control Unit to the Base Unit.

● Using the Mounting Bracket (Supplied) (Fig. B)

NOTE:

There are two plastic screws to cover the screw holes on the rear side of the Control Unit.

Be sure not to miss the screws. If you remove the mounting bracket, the screws should be mounted on the original position. Do not use the screws to mount the mounting bracket.

1. Install the mounting bracket on the control unit with two screws (M3 x 4).
2. Install the two bracket stoppers for mounting sleeve on the mounting bracket with four screws (M2.6 x 4).
3. Slide the mounting sleeve into the dashboard.
4. Connect the DIN connector to the base unit.
5. When the control unit is in place, push the tip of the locking pins up to the horizontal position using a screwdriver. Now the unit is locked in.
6. Snap the front trimplate on around the front end of the control unit.

NOTE:

To remove your unit, first remove the front trimplate. (Lift the top part carefully with a flat screwdriver for easy removal). Insert a pair of keys provided all the way into the grooves on each side of the unit and pull the unit out (Fig. C).

BASE UNIT

● Using the Mounting Screws (Supplied) (Fig. D)

The Base Unit can be mounted under the seat using the mounting screws.

● Velcro™ Tape Mounting (Fig. E)

NOTE:

If you mount the Control Unit without using the Velcro™ tape supplied, you can mount the Base Unit using the Velcro tape.

SPECIFICATIONS

Number of Bands	9
Equalizer Center Frequency Range	
Front	42/88/185/380/800/1.7k/3.4k/7.2k/15k Hz
Rear	29/61/125/265/560/1.2k/2.4k/5k/11k Hz
Frequency Response (+1, − 1 dB)	20 Hz − 20 kHz
Signal to Noise Ratio	90 dBA
Total Harmonic Distortion	0.02%
Channel Separation	80 dB
Boost/Cut Range	±9 dB
Input Sensitivity (for rated output)	750 mV
Crossover Slope	18 dB/Octave
Subwoofer Level Control	0 to +15 dB
Input Impedance	10k ohms MIN.
Output Impedance	1k ohms MAX.
Power Requirement	11 − 16V DC Negative Ground

Dimensions (W x H x D)

Control Unit	172mm (6-13/16") x 48mm (1-7/8") x 24mm (15/16")
Base Unit	240mm (9-7/16") x 50mm (2") x 160mm (6-5/16")

Weight

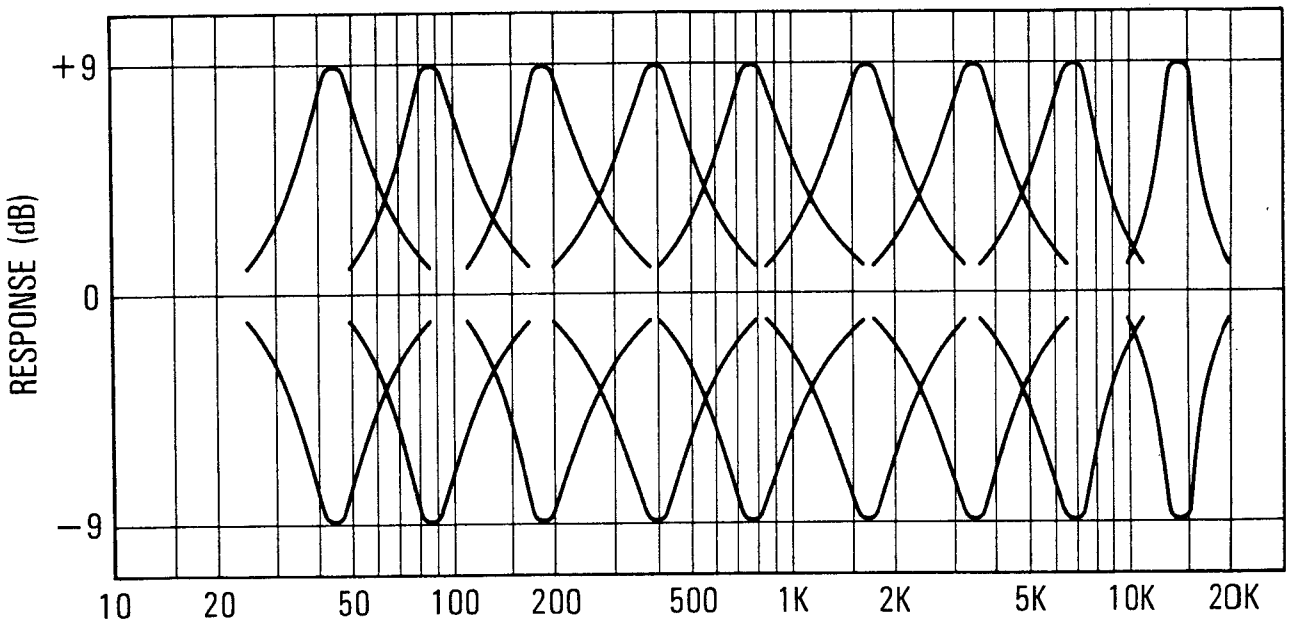
Control Unit	400 g (14 oz)
Base Unit	1.45 kg (3 lbs. 3 oz)

NOTE:

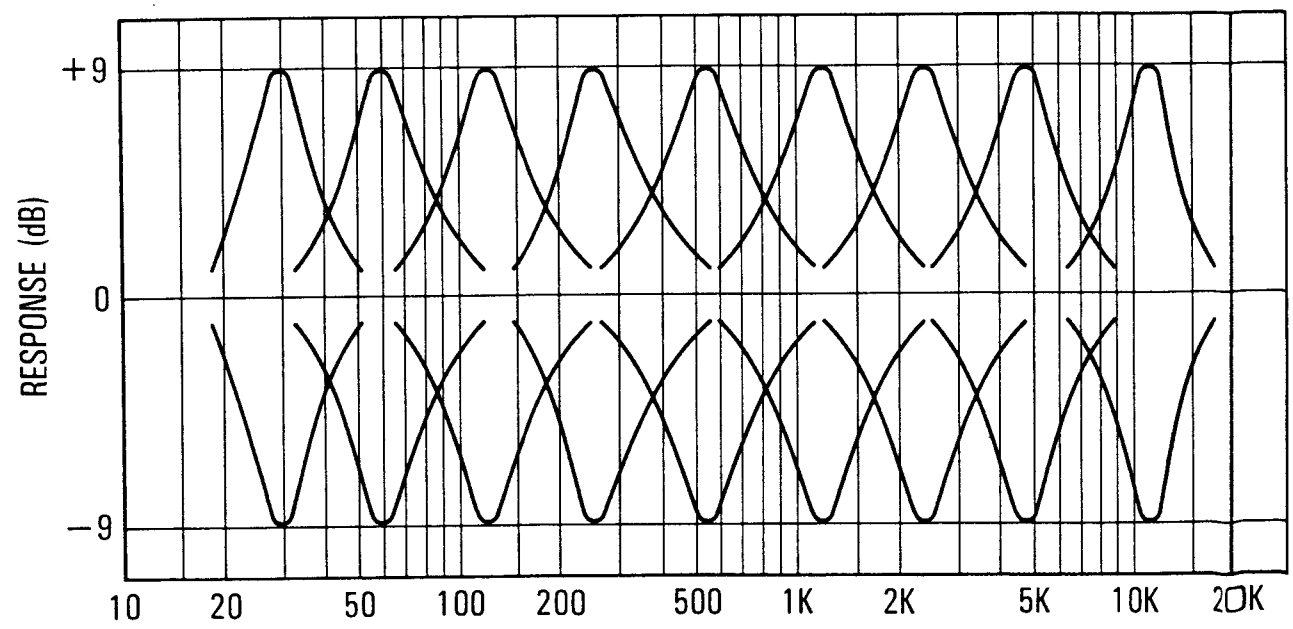
Due to continuing product improvement, specifications and design are subject to change without notice.

CHARACTERISTIC CURVES/CHARAKTERISTISCHE ENTZERRERKURVEN/COURBES CARACTERISTIQUES/CURVE CARATTERISTICHE/CURVAS CARACTERISTICAS/FREKVENSKURVOR

FREQUENCY RESPONSE CURVE (FRONT)



FREQUENCY RESPONSE CURVE (REAR)



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